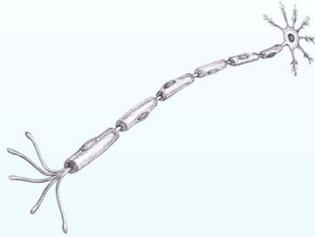
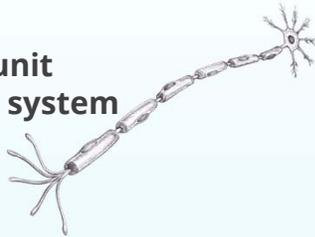


Neurons



Neurons

Fundamental unit
of the nervous system

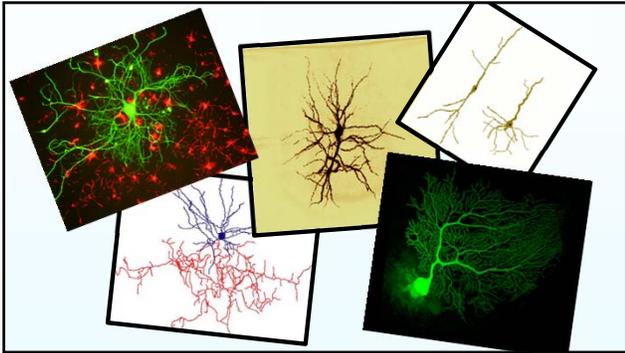


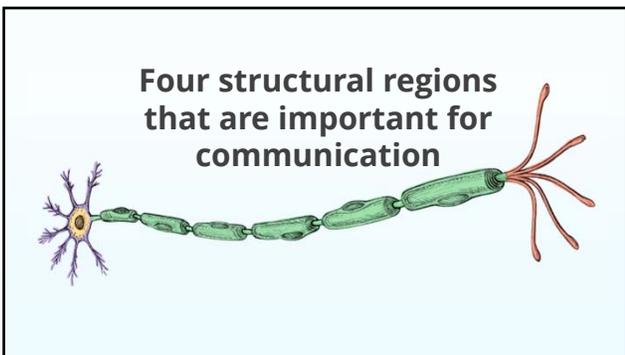
Neurons have three roles:

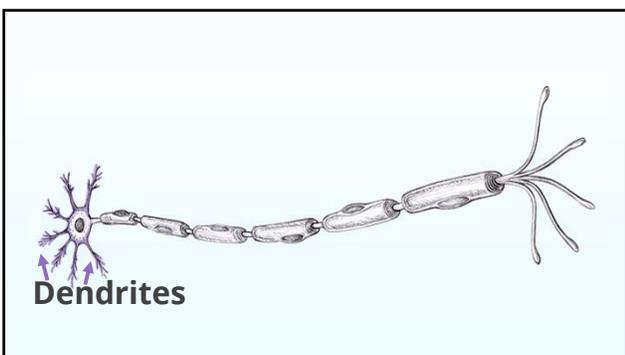
1. Receive

2. Integrate

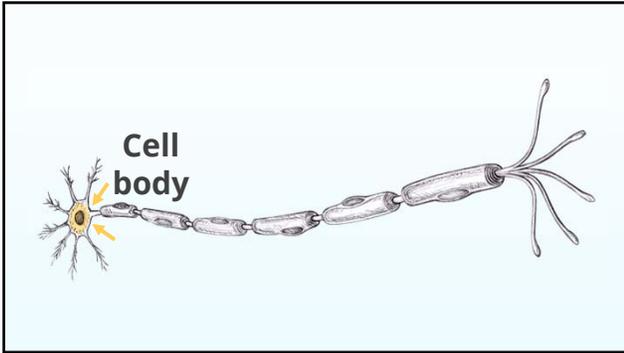
3. Transmit

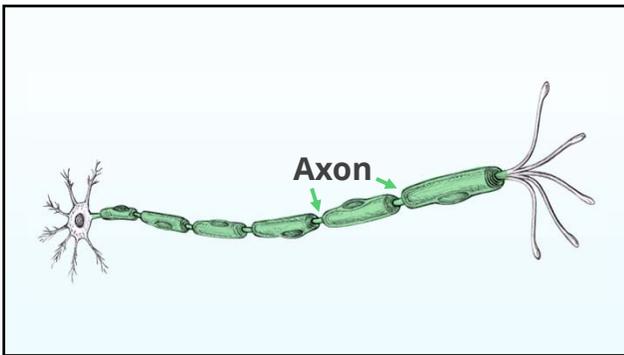


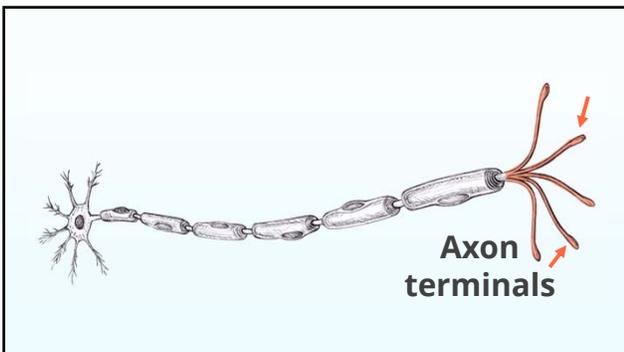


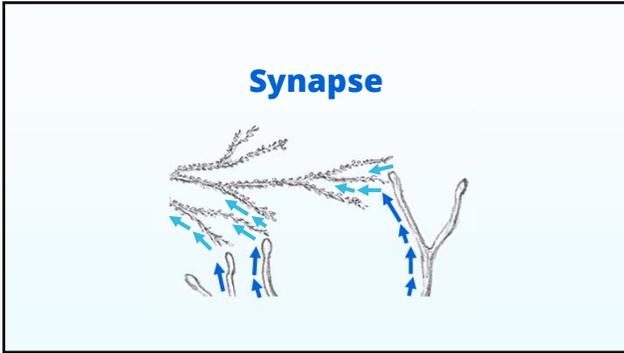


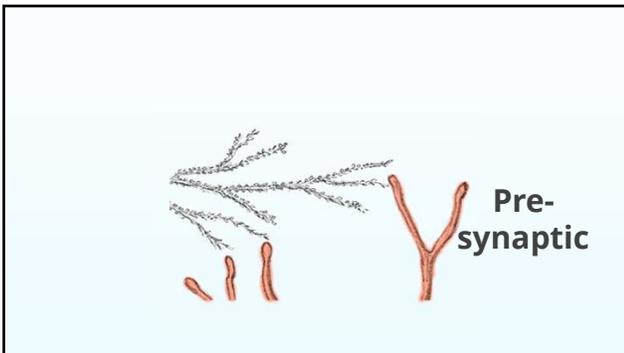
Dendrites

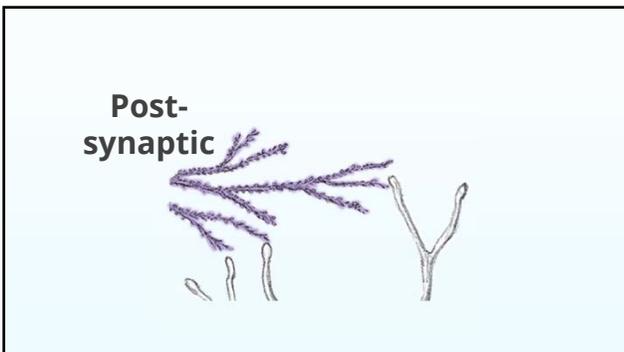








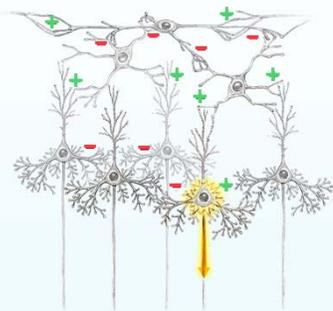




Action potential ("firing")

Electrical impulse that transmits signals to other neurons





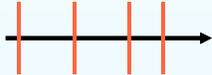
The action potential is all-or-none

A neuron always fires with the same intensity

Base rate of firing



Slower frequency



Faster frequency

